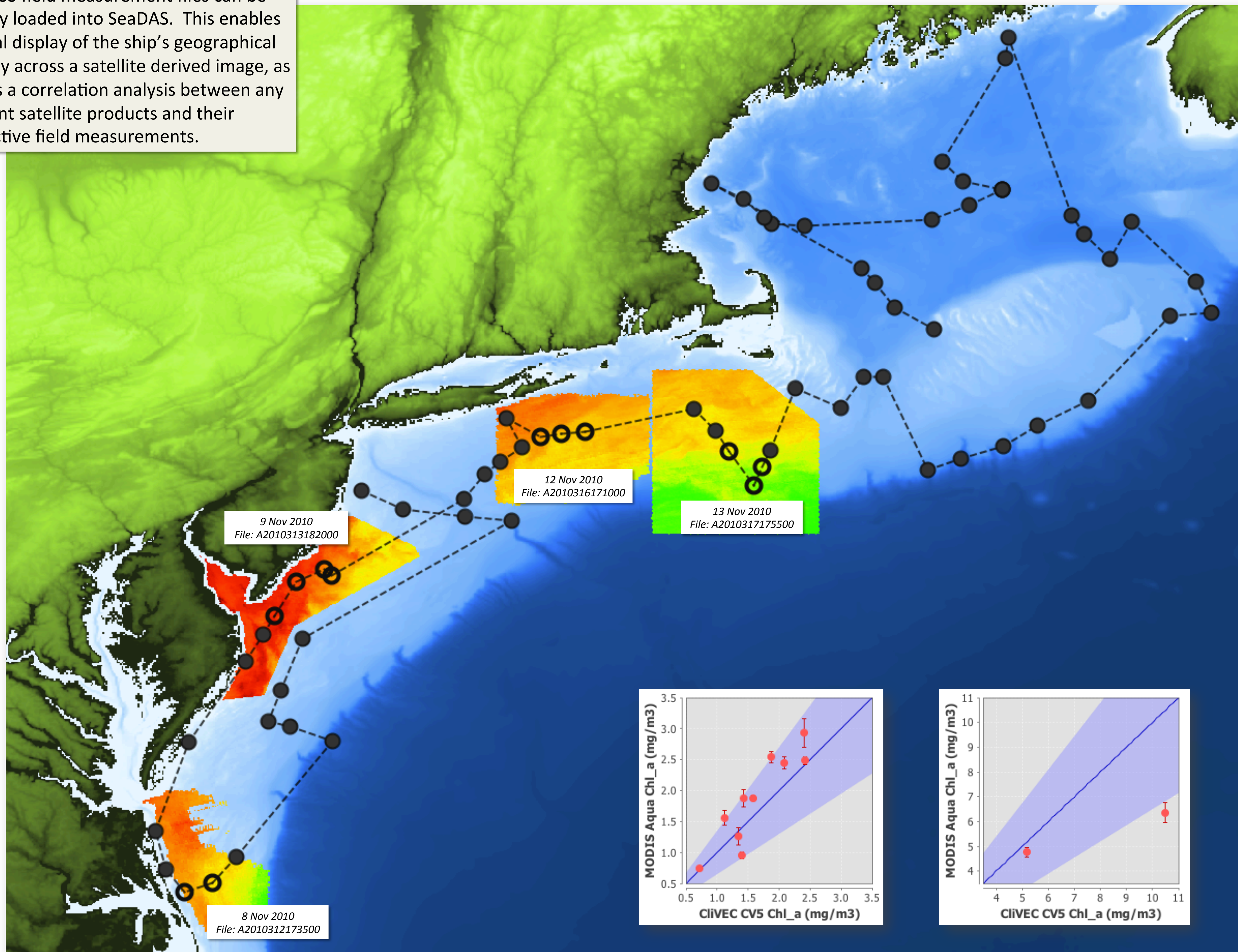


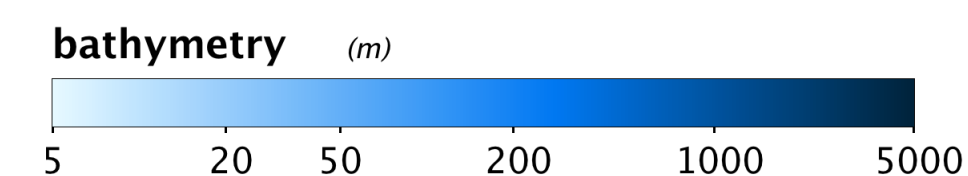
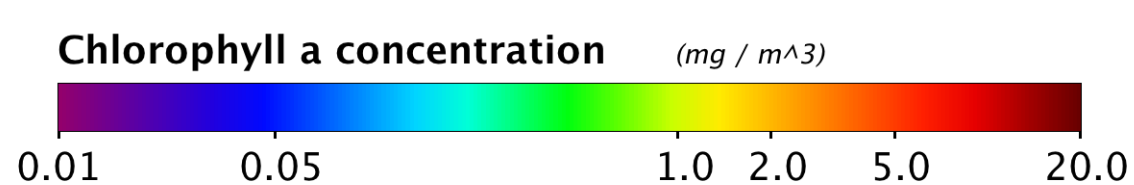
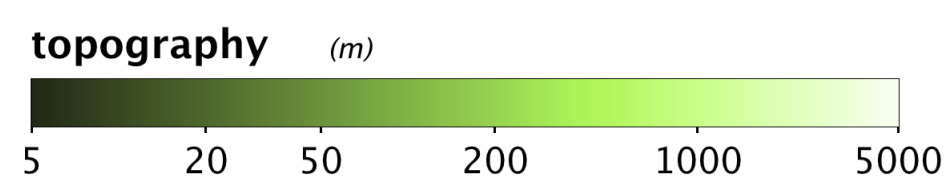
Integration of Field Measurements

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SeaBASS field measurement files can be directly loaded into SeaDAS. This enables a visual display of the ship's geographical journey across a satellite derived image, as well as a correlation analysis between any relevant satellite products and their respective field measurements.



Measurements of HPLC derived chlorophyll a (Chlor_a) from the ClIVEC CV5 cruise were used with MODIS Aqua (MODISA) Chlor_a. Circles denote field measurement stations, clear circles where there were successful matchups with satellite data based on criteria from Bailey and Werdell (2006). Data from different MODISA level-2 files (R2013.1) were trimmed and displayed only near valid matchups from the same day. MODISA values (5x5 pixel means) and field measurements are displayed in correlation plots. The purple shaded background denotes 35% correlation.



<http://seadas.gsfc.nasa.gov>